

STEREO MOC Status Report  
Time Period: 2008:336 - 2008:342

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On days 336, 339, and 341, during the DSS 65 track, the transmitter was limited to 5 KW, which at the current spacecraft range, is insufficient to close the uplink. This resulted in the loss of commanding and 2-way tracking data for these tracks.
- Since November 22<sup>nd</sup>, 11 AHEAD tracks have had invalid range tracking data. JPL has isolated the cause to a software anomaly in the UPL version 8.1 software for which a patch is being tested. JPL is reprocessing affected data files until the patch is deployed to all complexes. See master DR# N105028 for more information.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 337, a SECCHI stepped calibration at aphelion was executed.
- The average daily SSR playback volume for Ahead was 7.0 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 335, during the DSS 55 support, lost command bind at 1748Z due to a failure of the primary communication link between JPL and the Madrid DSCC. The backup circuit was automatically switched on-line. This resulted in loss of commanding and real-time data for seven minutes. See DR# N105036 for more information.
- On day 341, during the DSS 65 track, the transmitter was limited to 5 KW, which at the current spacecraft range, is insufficient to close the uplink. This resulted in the loss of commanding and 2-way tracking data for this track.

- Since November 26<sup>th</sup>, 12 BEHIND tracks have had invalid range tracking data. JPL has isolated the cause to a software anomaly in the UPL version 8.1 software for which a patch is being tested. JPL is reprocessing affected data files until the patch is deployed to all complexes. See master DR# N105028 for more information.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 6.7 Gbits during this week.